

**CONNECTICUT STEM CELL RESEARCH ADVISORY COMMITTEE**  
**Minutes – Special Meeting**  
**Monday, June 11, 2012**

A special meeting of the Connecticut Stem Cell Research Advisory Committee (“Advisory Committee”) was held on Monday, June 11, 2012, at the Farmington Marriott, 15 Farm Springs Road, Farmington, Connecticut.

**Call to Order:** The meeting was called to order at 8:43 a.m. Members present: Treena Livingston Arinzeh, Ph.D.; Richard H. Dees, Ph.D.; Gerald Fishbone, M.D.; Myron Genel, M.D.; David Goldhamer, Ph.D; Ronald Hart, Ph.D.; Anne Hiskes, Ph.D.; Ann Kiessling, Ph.D.; Diane Krause, M.D., Ph.D.; Jewel Mullen, M.D., M.P.H., M.P.A.; Paul Pescatello, J.D., Ph.D.; and Milton B. Wallack, D.D.S.

**Other Attendees:** Srdjan Antic (UCONN); Isolde Bates (UCONN); Terri Clark (CASE); Sara D’Onofrio (CI); Marianne Horn (DPH); Dr. Kubar (UCHC); Joel Pachter (UCONN); Daisy Ramos (UCHC); Blanka Rogina (UCHC); Rick Strauss (CASE); and Paula Wilson (Yale).

**Opening Remarks:**

Dr. Mullen welcomed everyone and stated that there is approximately \$9,800,000 of funding available for the 2012 grant round. Attorney Horn discussed the process used last year for reviewing the proposals and asked for input from the Advisory Committee members for this year’s review. The Advisory Committee members talked about starting with the Core, Group, and Disease Specific proposals first followed by the Established Investigator and Seed proposals.

In accordance with a suggestion made at the April Advisory Committee meeting to review the top 40 percent of the best proposals, the Connecticut Academy of Science and Engineering (“CASE”) prepared a chart showing the Established Investigator and Seed proposals and potential funding ranges based on peer review scores. The Advisory Committee members discussed potential cut off scores for reviewing the Established Investigator and Seed grant proposals. A suggestion was made to review the Core, Group and Disease Specific proposals first before determining how to proceed with the review of the Established Investigator and Seed grant proposals. Another suggestion was made to review the Established Investigator and Seed grant proposals before reviewing the Core and Group and Disease Specific proposals.

Attorney Horn explained that once the proposals are preliminarily reviewed, the proposals will be put into one of three categories—1) fund, 2) maybe fund or 3) not fund.

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Krause, the Advisory Committee members voted in favor of reviewing the Core, Group and Disease Specific proposals and then revisiting how to proceed with the Established Investigator and Seed proposals. **VOTE: 11-1-0** (In favor: Arinzeh, Dees, Fishbone, Genel, Goldhamer, Hart, Hiskes, Krause, Mullen, Pescatello, and Wallack; Opposed: Kiessling) **MOTION PASSED.**

Attorney Horn stated that only those members eligible to vote on a proposal should participate in the discussion and vote on the proposal. She reviewed the list of members generally eligible to vote on the UCONN proposals and those generally eligible to vote on the Yale proposals. She asked the members who have other conflicts to also refrain from discussion or vote on those specific proposals.

**Request to Change PI for 10-SCA-16 Markakis:**

Ms. D’Onofrio discussed the proposed change in Principal Investigator for proposal 10-SCA-16, from Dr. Shapiro to Dr. Markakis, co-principal investigator. Dr. Shapiro will be leaving Yale University and the curriculum vitae for Dr. Markakis was provided.

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hiskes, the eligible Advisory Committee members voted unanimously in favor of approving the change of principal investigator for grant 10-SCA-16, Yale University, from Dr. Shapiro to Dr. Markakis. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**Review of Core Proposals:**

The two Advisory Committee primary reviewers discussed the following two Core grant proposals:

- 12-SCD-YALE-01, Dr. Lin, principal investigator, peer review score of 1.5, grant request of \$500,000
- 12-SCD-UCHC-01, Dr. Xu, principal investigator, peer review score of 3.0, grant request of \$500,000

The Advisory Committee members discussed the science, the proposed project, the peer review scores and peer review recommendations. A discussion ensued on the importance of the core facilities and how the cores facilities are moving in the direction to eventually become self-funded through cost recovery, philanthropic funding, etc.

**MOTION:** Upon a motion made by Dr. Hiskes, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Core grant proposal 12-SCD-YALE-01, Dr. Lin, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Core grant proposal 12-SCD-UCHC-01, Dr. Xu, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Goldhamer and Hiskes) **MOTION PASSED**

Preliminary Fund Core Proposals:

- 12-SCD-YALE-01
- 12-SCD-UCHC-01

**Review of Group Proposal:**

The two Advisory Committee primary reviewers discussed Group proposal 01-SCC-WESL-01, Dr. Naegele, principal investigator, peer review score of 3.25, grant request of \$1,499,888.

The Advisory Committee members discussed the science, proposed project, peer review scores, potential overlap with an Established Investigator project, and proposed 5funding level.

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Group grant proposal 01-SCC-WESL-01, Dr. Naegele, principal investigator, in the preliminary maybe category. **VOTE: 12-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Goldhamer, Hart, Hiskes, Kiessling, Krause, Mullen, Pescatello and Wallack) **MOTION PASSED**

Preliminary Maybe Fund Group Proposal:

- 01-SCC-WESL-01

**Review of Disease-Directed Collaboration Group Proposals:**

The two Advisory Committee primary reviewers discussed the following two Disease-Directed Collaboration Group proposals:

- 01-SCDIS-YALE-01, Dr. Redmond, principal investigator, peer review score of 2.0, grant request of \$1,994,108

- 01-SCDIS-UCHC-01, Dr. Rowe, principal investigator, peer review score of 4.5, grant request of \$2,000,000

The Advisory Committee members discussed the science, the proposed project, the peer review scores and peer review recommendations.

A lengthy discussion ensued on a portion of the research for grant 01-SCDIS-YALE-01 that will be performed outside of the United States. The reviewers noted that the applicant argues that it would be cost prohibitive to perform the research in the United States and there are no primate facilities in the Northeast where the study can be performed. Attorney Horn indicated that the stem cell legislation allows a small portion of the grant funds to be used for extraordinary circumstances for research funded outside Connecticut such as the one-time use of a piece of equipment. She opined that funding a study outside of the United States is a large expansion of the interpretation of the legislation and cautioned against allowing the funding to be used for research outside of Connecticut. The funding for the study is approximately \$169,000 over four years plus approximately \$12,000 for travel.

**MOTION:** Upon a motion made by Dr. Dees, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Disease-Directed grant 01-SCDIS-YALE-01, Dr. Redmond, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Krause, seconded by Dr. Kiessling, the eligible Committee members voted unanimously in favor of putting Disease-Directed grant proposal 12-SCDIS-UCHC-01, Dr. Rowe, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Goldhamer and Hiskes) **MOTION PASSED**

Preliminary Fund Disease-Directed Proposal:

- 01-SCDIS-YALE-01

Not Fund Disease-Directed Proposal:

- 12-SCDIS-UCHC-01

### **Review of Established Investigator Proposals:**

The Advisory Committee members discussed how to proceed with the review of the Established Investigator proposals. A suggestion was made to review the top 5 scored proposals and then any other proposals the Advisory Committee members feel are meritorious.

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the Advisory Committee members voted unanimously in favor of reviewing the Established Investigator proposals with scores of 1.5 and better and any other Established Investigator proposals nominated by any of the Advisory Committee members. **VOTE: 12-0-0** (In favor: Arinzeh, Dees, Fishbone, Genel, Goldhamer, Hart, Hiskes, Kiessling, Krause, Mullen, Pescatello, and Wallack.) **MOTION PASSED.**

Some concern was expressed with the scores of the proposals being compressed and the disparity between the two peer reviewers on some of the proposals. Concern was also expressed with the lack of narrative information provided by the Peer Reviewers to justify some of the scores. There was general consensus that the scoring system and peer review process should be reviewed at the August Advisory Committee meeting.

The two Advisory Committee primary reviewers discussed the following highest scored Established Investigator grant proposals:

- 12-SCB-YALE-10, Dr. Ivanova, principal investigator, peer review score of 1.0, grant request of \$750,000
- 12-SCB-UCON-02, Dr. Lai, principal investigator, peer review score of 1.5, grant request of \$750,000
- 12-SCB-YALE-01, Dr. Horsley, principal investigator, peer review score of 1.5, grant request of \$750,000
- 12-SCB-YALE-05, Dr. Kocsis, principal investigator, peer review score of 1.5, grant request of \$750,000
- 12-SCB-YALE-11, Dr. Park, principal investigator, peer review score of 1.5, grant request of \$750,000
- 12-SCB-UCON-02, Dr. Lai, principal investigator, peer review score of 1.5, grant request of \$750,000

The following additional proposals were nominated for consideration:

- 12-SCB-UCHC-05, Dr. Kumbar, principal investigator, peer review score of 2.5, grant request of \$749,791
- 12-SCB-YALE-02, Dr. Kim, principal investigator, peer review score of 2.5, grant request of \$750,000
- 12-SCB-YALE-06, Dr. Qyang, principal investigator, peer review score of 2.5, grant request of \$750,000
- 12-SCB-YALE-03, Dr. Zhong, principal investigator, peer review score of 2.75, grant request of \$750,000
- 12-SCB-UCHC-06, Dr. Laurencin, principal investigator, peer review score of 3.0, grant request of \$750,000
- 12-SCB-UCHC-09, Dr. Chamberlain, principal investigator, peer review score of 3.0, grant request of \$750,000

- 12-SCB-UCON-01, Dr. Goldhamer, principal investigator, peer review score of 3.0, grant request of \$749,296. *Dr. Goldhamer was not present for the vote or discussion on this proposal.*

The Advisory Committee members discussed the importance of translational research and it was noted that the Advisory Committee's mission has expanded beyond funding the research that couldn't be funded by the federal government.

After thoroughly discussing each of the proposals, the following motions were made:

**MOTION:** Upon a motion made by Dr. Pescatello, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-YALE-10, Dr. Ivanova, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Kiessling, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-UCON-02, Dr. Lai, principal investigator, in the preliminary fund category. **VOTE: 10-0-2 VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Goldhamer and Hiskes) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Dees, seconded by Dr. Arinzeh, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-YALE-01, Dr. Horsley, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Pescatello, seconded by Dr. Dees, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-YALE-05, Dr. Kocsis, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Arinzeh, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-YALE-11, Dr. Park, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Krause, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-UCON-01, Dr. Goldhamer, principal investigator, in the preliminary maybe fund category. **VOTE: 10-0-1** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes; and Goldhamer was not present for the vote) **MOTION PASSED**

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Arinzeh, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-YALE-06, Dr. Qyang, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Arinzeh, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-UCHC-05, Dr. Kumbar, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Kiessling, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-UCHC-06, Dr. Laurencin, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-UCHC-09, Dr. Chamberlain, principal investigator, in the preliminary maybe fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED**

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Arinzeh, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-YALE-03, Dr. Zhong, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Goldhamer, seconded by Dr. Fishbone, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCB-YALE-02, Dr. Kim, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

A suggestion was made to try to fund as many proposals as possible. A discussion ensued on potentially reducing funding for all the Established Investigator proposals in order to fund as many proposals as possible. Some concern was expressed with arbitrarily reducing funds unless there is something specific in the proposed budget that should be reduced or not funded. It was noted that if the budget for a grant is reduced, the principal investigator would be required to provide a revised budget showing how the funds will be spent. A suggestion was made to review the proposals based on merit.

There was a discussion about intellectual property and any royalties that may occur as a result of the Advisory Committee funding. Attorney Horn stated that the Royalty Agreement specifies that the State receives at least 5 percent.

**Preliminary Fund Established Investigator Proposals:**

- 12-SCB-YALE-10
- 12-SCB-UCON-02
- 12-SCB-YALE-01
- 12-SCB-YALE-05
- 12-SCB-YALE-11
- 12-SCB-YALE-06

**Preliminary Maybe Fund Established Investigator Proposals:**

- 12-SCB-UCON-01
- 12-SCB-UCHC-09

**Not Fund Established Investigator Proposals:**

- 12-SCB-UCHC-06
- 12-SCB-UCHC-05
- 12-SCB-YALE-03
- 12-SCB-YALE-02

**Second Review of Group Grant Proposal:**

The Advisory Committee members discussed Group grant proposal 01-SCC-WESL-01, Dr. Naegele, principal investigator, further. There was a discussion on whether the funding and length of the grant should be modified.

- **MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Genel, the eligible Committee members voted against putting Group grant proposal 01-SCC-WESL-01, Dr. Naegele, principal investigator, in the preliminary fund category, with funding of \$750,000 for four years. **VOTE: 3-9-0** (In favor: Dees, Genel, Wallack; Opposed: Arinzeh, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Krause, Mullen, and Pescatello) **MOTION FAILED** and the proposal was kept in the preliminary maybe fund category.
- **MOTION:** Upon a motion made by Dr. Dees, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Group grant proposal 01-SCC-WESL-01, Dr. Naegele, principal investigator, in the not fund category. **VOTE: 12-0-0** (In favor: Arinzeh, Dees, Fishbone, Genel, Goldhamer, Hart, Hiskes, Kiessling, Krause, Mullen, Pescatello and Wallack) **MOTION PASSED.**

### **Second Review of Disease-Directed Collaboration Group Proposal:**

The Advisory Committee discussed Disease-Directed Group grant proposal 01-SCDIS-YALE-01, Dr. Redmond, principal investigator, in further detail. There was consensus that steps should be taken in the future to allow a portion of the grant funding to be spent outside of Connecticut in extraordinary circumstances, such as the research not being available in Connecticut. After discussion on the estimated amount related to the research out of Connecticut (i.e. travel, overhead and research), there was consensus to reduce the amount potentially funded for grant 01-SCDIS-YALE-01 from \$1,994,108 to \$1,800,000. Dr. Hart noted that he was opposed to reducing the funds for the project.

**MOTION:** Upon a motion made by Dr. Kiessling, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Disease-Directed Collaboration Group proposal 01-SCDIS-YALE-01, Dr. Redmond, in the fund category and potentially funding the project for \$1,800,000. **VOTE: 9-1-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Opposed: Hart; Abstained: Genel and Krause) **MOTION PASSED.**

### **Review of Seed Proposals:**

There was consensus to move on to review the Seed grant proposals before further discussing Established Investigator grant proposals put in the Maybe category. The Advisory Committee proceeded to discuss the following Seed grant proposals with a score of 2.5 or better and any other proposals nominated by the Advisory Committee members:

- 12-SCA-YALE-02, Dr. Slack, principal investigator, peer review score of 1.0, grant request of \$200,000
- 12-SCA-YALE-26, Dr. Zhou, principal investigator, peer review score of 1.0, grant request of \$200,000

- 12-SCA-UHC-06, Dr. Crocker, principal investigator, peer review score of 1.75, grant request of \$200,000
- 12-SCA-UHC-12, Dr. Wang, principal investigator, peer review score of 2.0, grant request of \$200,000
- 12-SCA-YALE-15, Dr. Ren, principal investigator, peer review score of 2.0, grant request of \$200,000
- 12-SCA-YALE-18, Dr. Liu, principal investigator, peer review score of 2.0, grant request of \$200,000
- 12-SCA-YALE-20, Dr. Qyang, principal investigator, peer review score of 2.0, grant request of \$200,000
- 12-SCA-UHC-07, Dr. Rogina, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-UHC-09, Dr. Wang, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-UHC-10, Dr. Chhabra, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-UHC-15, Dr. Carlson, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-UHC-16, Dr. Carson, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-YALE-04, Dr. Tanaka/Dr. Park, principal investigators, peer review score of 2.5, grant request of \$200,000
- 12-SCA-YALE-06, Dr. Yan, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-YALE-09, Dr. Dufresne, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-YALE-16, Dr. Wang, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-YALE-23, Dr. Sosa, principal investigator, peer review score of 2.5, grant request of \$200,000
- 12-SCA-YALE-27, Dr. Kumar, principal investigator, peer review score of 2.5, grant request of \$200,000

The following additional proposal was nominated for consideration:

- 12-SCA-UHC-13, Dr. Antic, principal investigator, peer review score of 3.5, grant request of \$200,000

There was a discussion about the researchers for seed proposals, and it was noted that established investigators new to stem cell research or developing new research directions can be considered for a seed grant.

After discussing the proposed project, the science, the peer review scores and Advisory Committee recommendations, the following motions were made:

**MOTION:** Upon a motion made by Dr. Arinzeh, seconded by Dr. Goldhamer, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-02, Dr. Slack, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Goldhamer, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-26, Dr. Zhou, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Kiessling, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-06, Dr. Crocker, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Fishbone, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-12, Dr. Wang, principal investigator, in the maybe fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED**

**MOTION:** Upon a motion made by Dr. Kiessling, seconded by Dr. Pescatello, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-15, Dr. Ren, principal investigator, in the preliminary maybe fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Goldhamer, seconded by Dr. Fishbone, the eligible Committee members voted in favor of putting Seed grant proposal 12-SCA-YALE-18, Dr. Liu, principal investigator, in the not fund category. **VOTE: 9-1-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Kiessling, Mullen, Pescatello and Wallack; Opposed: Hiskes; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-20, Dr. Qyang, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Krause, seconded by Dr. Genel, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-07, Dr. Rogina, principal investigator, in the preliminary maybe fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Pescatello, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-09, Dr. Wang, principal investigator, in the preliminary maybe fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Fishbone, seconded by Dr. Arinzeh, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-10, Dr. Chhabra, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Dees, seconded by Dr. Pescatello, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-15, Dr. Carlson, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Genel, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-16, Dr. Carson, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Genel, seconded by Dr. Dees, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-04, Dr. Tanaka/Dr. Park, principal investigators, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Dees, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-06, Dr. Yan, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-09, Dr. Dufresne, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hiskes, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-16, Dr. Wang, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Kiessling, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-23, Dr. Sosa, principal investigator, in the preliminary fund category. **VOTE: 9-0-3** (In favor: Arinzeh, Dees, Fishbone, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel, Goldhamer and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Goldhamer, seconded by Dr. Hiskes, the eligible Committee members voted in favor of putting Seed grant proposal 12-SCA-YALE-27, Dr. Kumar, principal investigator, in the not fund category. **VOTE: 9-1-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, and Pescatello; Opposed: Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Kiessling, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-13, Dr. Antic, principal investigator, in the preliminary maybe fund category. **VOTE: 9-1-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Mullen, Pescatello and Wallack; Opposed: Krause; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

Preliminary Fund Seed Proposals:

- 12-SCA-YALE-02
- 12-SCA-YALE-26
- 12-SCA-UCHC-06
- 12-SCA-UCHC-15
- 12-SCA-YALE-09
- 12-SCA-YALE-16
- 12-SCA-YALE-23

Preliminary Maybe Fund Seed Proposals:

- 12-SCA-UCHC-12
- 12-SCA-YALE-15
- 12-SCA-UCHC-07
- 12-SCA-UCHC-09
- 12-SCA-UCHC-13

Not Fund Seed Proposals:

- 12-SCA-YALE-18
- 12-SCA-YALE-20
- 12-SCA-UCHC-10
- 12-SCA-UCHC-16
- 12-SCA-YALE-04
- 12-SCA-YALE-06
- 12-SCA-YALE-27

**Second Review of the Maybe Fund Established Investigator Proposals:**

The Advisory Committee members discussed again the merits of the Established Investigator proposals put in the "Preliminary Maybe Fund" category (12-SCB-UCHC-09 and 12-SCB-UCON-01). Dr. Goldhamer left the room during the discussion. There was a discussion about possibly reducing the funding and/or reducing the length of the time for the grant. It was noted that the proposals should be reviewed based on the scientific merits and relevance to the Stem Cell Research Advisory's goals. A discussion ensued on the importance of being impartial and as objective as possible since one of the applicants is a member of the Advisory Committee. Dr. Krause explained why she believes the peer review scores for grant 12-SCB-UCON-01

were not as favorable as other proposals. There was general consensus that both proposals are meritorious and a suggestion was made to fund both proposals at \$450,000 without specifying the length of the grant. Before voting on the Maybe Fund Established Investigator proposals, there was consensus to have a second review of the Maybe Fund Seed proposals.

### **Second Review of the Maybe Fund Seed Proposals:**

The Advisory Committee members discussed again the merits of the Seed proposals put in the "Preliminary Maybe Fund" category.

The Advisory Committee members noted the need to establish a "Reserve Category" in the event one or more of the grant proposals does not come to fruition.

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-12, Dr. Wang, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Prescatello, seconded by Dr. Kiessling, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-YALE-15, Dr. Ren, principal investigator, in the preliminary fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-07, Dr. Rogina, principal investigator, in the reserve category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Krause, seconded by Dr. Pescatello, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-09, Dr. Wang, principal investigator, in the not fund category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Kiessling, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Seed grant proposal 12-SCA-UCHC-13, Dr. Antic, principal investigator, in the reserve category. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

### **Third Review of Maybe Fund Established Investigator Proposals:**

After consideration of all of the seed proposals in the “Maybe Fund Category,” the Advisory Committee members considered the two Established Investigator proposals in the “Maybe Fund Category.”

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCA-UCHC-09, Dr. Chamberlain, principal investigator, in the preliminary fund category to fund at \$450,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of putting Established Investigator grant proposal 12-SCA-UCON-01, Dr. Goldhamer, principal investigator, in the preliminary fund category to fund at \$450,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

### **Reserve in Priority Order:**

The Advisory Committee members discussed the two Seed proposals put in the Reserve Category and the need to have additional reserve proposals in the event one or more of the grant proposals do not come to fruition. There was consensus to move Seed proposal, principal investigator, from the “Not Fund” category to the reserve category and Seed proposal, from the “Not Fund” category to the “Reserve Category.

The following proposals were put in the Reserve Category, in rank order:

- 12-SCA-UCHC-07, Dr. Rogina, principal investigator
- 12-SCA-UCHC-13, Dr. Antic, principal investigator
- 12-SCA-UCHC-12, Dr. Wang, principal investigator
- 12-SCA-UCHC-09, Dr. Wang, principal investigator

### **Vote on Funding for Seed Grant Proposals:**

The Advisory Committee members voted on the specific grant proposals.

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Arinzeh, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-YALE-02, *“RNA targets of the stemness factor LIN-28”* Dr. Slack, principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hiskes, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-YALE-26, *“Direct differentiation of human iPSCs facilitated by mechanical forces”* Dr. Zhou, principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Krause, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-UCHC-06, *“Evaluating the endogenous potential for brain repair in primary progressive multiple sclerosis using induced pluripotent stem cells”* Dr. Crocker, principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Pescatello, seconded by Dr. Dees, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-YALE-15, *“Modeling Hypertrophic Cardiomyopathy (HCM) Using Human Induced Pluripotent Stem Cells”* Dr. Ren, principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hiskes, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-YALE-09, *“Mechanical factors influencing the differentiation of human embryonic stem cells”* Dr. Dufresne, principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Fishbone, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-YALE-16, *“Genome-wide shRNA screen identifies novel regulatory pathways in human ES cells”* Dr. Wang, principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Kiessling, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-YALE-23, *“Stem Cells for cell therapy of hypoparathyroidism”* Dr. Sosa, principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hiskes, seconded by Dr. Pescatello, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCA-UHC-15, *“Embryonic and pluripotent stem cell-produced factors as novel therapeutic candidates for improved aged muscle function and regenerative responses in humans”* Dr. Carlson principal investigator, in the amount of \$200,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause Mullen, Pescatello and Wallack; Abstained: Goldhamer and Hiskes) **MOTION PASSED.**

### **Vote on Funding for Established Investigator Grant Proposals:**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hiskes, the eligible Committee members voted unanimously in favor of providing funding for Established Investigator grant proposal 12-SCB-YALE-10, *“Transcriptional Control of Pluripotency in Human ES Cells,”* Dr. Ivanova, principal investigator, in the amount of \$750,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of providing funding for Seed grant proposal 12-SCB-UCON-02, *“Inducing immune tolerance to hESCs and their derivatives by the hESC derived thymic epithelial cells,”* Dr. Lai, principal investigator, in the amount of \$750,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Goldhamer and Hiskes) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Arinzeh, seconded by Dr. Hiskes, the eligible Committee members voted unanimously in favor of providing funding for Established Investigator grant proposal 12-SCB-YALE-01, “*Generation of functional keratinocytes from hESCs*,” Dr. Horsley, principal investigator, in the amount of \$750,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Arinzeh, seconded by Dr. Hiskes, the eligible Committee members voted unanimously in favor of providing funding for Established Investigator grant proposal 12-SCB-YALE-05, “*Remyelination potential of human ES cell derived OPCs transplanted into the demyelinated nonhuman primate spinal cord*,” Dr. Kocsis, principal investigator, in the amount of \$750,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Hiskes, seconded by Dr. Goldhamer, the eligible Committee members voted unanimously in favor of providing funding for Established Investigator grant proposal 12-SCB-YALE-11, “*Molecular Regeneration of the Neuronal development by MeCP2*,” Dr. Park, principal investigator, in the amount of \$750,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Arinzeh, seconded by Dr. Hiskes, the eligible Committee members voted unanimously in favor of providing funding for Established Investigator grant proposal 12-SCB-YALE-06, “*Human tissue-engineered blood vessels using induced pluripotent stem cells*,” Dr. Qyang, principal investigator, in the amount of \$750,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of providing funding for Established Investigator grant proposal 12-SCB-UCON-01, “*Regulation of muscle stem cell programming*” Dr. Goldhamer, principal investigator, in the amount of \$450,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of providing funding for Established Investigator grant proposal 12-SCB-UCHC-09, "*A study of the chromatin structure of maternal and paternal 15q alleles to discover therapies for Prader-Willi syndrome*" Dr. Chamberlain, principal investigator, in the amount of \$450,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**Vote on Funding for Core Grant Proposals:**

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Fishbone, the eligible Committee members voted unanimously in favor of providing funding for Core grant proposal 12-SCD-UCHC-01, "*UCONN-Wesleyan Stem Cell Core Powered with More Cutting Edge Technologies,*" Dr. Xu/Gabel, principal investigators, in the amount of \$500,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Goldhamer, seconded by Dr. Wallack, the eligible Committee members voted unanimously in favor of providing funding for Core grant proposal 12-SCD-YALE-01, "*Continued service and technology development at the yale stem cell center cores*" Dr. Lin, principal investigator, in the amount of \$500,000. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**Vote on Funding for Disease-Directed Collaboration Group Proposal:**

**MOTION:** Upon a motion made by Dr. Hiskes, seconded by Dr. Dees, the eligible Committee members voted unanimously in favor of providing funding for Disease-Directed Collaboration Group grant proposal 12-SCDIS-YALE-01, "*Are dopaminergic neurons derived from human embryonic stem cells or from fibroblasts the best candidates for treatment for Parkinson's disease as studied in the best primate model*" Dr. Redmond, principal investigator, in the amount of \$1,800,000, contingent on the funding not being used for research in Connecticut. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Goldhamer, Hart, Hiskes, Kiessling, Mullen, Pescatello and Wallack; Abstained: Genel and Krause) **MOTION PASSED.**

**Vote on Reserves in Priority Order:**

The Advisory Committee members considered the grant proposals for a reserve category in the event one or more of the funded proposals does not come to fruition or there are funds remaining.

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Seed proposal 12-SCA-UHC-07, *“The role of stem cell in drosophila health span and aging,”* Dr. Rogina, principal investigator, in the amount of \$200,000, as the first ranked reserved grant proposal for future consideration if the opportunity arises. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Seed proposal 12-SCA-UHC-13, *“Use of Human Glia for a Conceptually Novel Approach in the Therapy of Parkinson’s Disease,”* Dr. Antic, principal investigator, in the amount of \$200,000, as the second ranked reserved grant proposal for future consideration if the opportunity arises. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Fishbone, seconded by Dr. Krause, the eligible Committee members voted unanimously in favor of putting Seed proposal 12-SCA-UHC-12, *“Treatment of Multiple Sclerosis using irradiated hES-MSCs with high immunosuppressive potence,”* Dr. Wang, principal investigator, in the amount of \$200,000, as the third ranked reserved grant proposal for future consideration if the opportunity arises. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

**MOTION:** Upon a motion made by Dr. Wallack, seconded by Dr. Hart, the eligible Committee members voted unanimously in favor of putting Seed proposal 12-SCA-UHC-09, *“Enhancing mRNA Reprogramming by Knocking Down Alu transcripts,”* Dr. Wang, principal investigator, in the amount of \$200,000, as the fourth ranked reserved grant proposal for future consideration if the opportunity arises. **VOTE: 10-0-2** (In favor: Arinzeh, Dees, Fishbone, Genel, Hart, Kiessling, Krause, Mullen, Pescatello and Wallack; Abstained: Hiskes and Goldhamer) **MOTION PASSED.**

As discussed at previous meetings, the Advisory Committee members noted the importance of obtaining more information on existing grants (i.e. publications, other funding sources, time remaining on Advisory Committee and other funding sources)

Attorney Horn mentioned that there will not be a meeting in July. The next meeting will be held in August. Dr. Mullen mentioned that this is the last meeting for Dr. Hiskes because she is moving out of state. She thanked Dr. Hiskes for her contributions and efforts.

**Public Comments:**

Ms. Wilson and Ms. Bates thanked the Advisory Committee members for their work on behalf of Yale University and UCONN.

Staff of CI and CASE were thanked for their help in making the process smooth. Mr. Strauss will be sending out a feedback form for the Advisory Committee members to complete so that CASE may obtain input on how to improve the process next year.

In response to a question about why private companies have not submitted grant applications, it was noted that the research is still very early.

Dr. Mullen encouraged the Advisory Committee members to provide her with any potential issues and/or suggestions as soon as possible for consideration at the next legislative session.

**MOTION:** Upon a motion made by Dr. Hart, seconded by Dr. Hiskes, the Advisory Committee voted unanimously in favor of adjourning the meeting at 5:26 p.m.

Respectfully submitted:

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Dr. Jewel Mullen, Chair